

CLAIM (S)

The embodiments of the invention for which an exclusive property or privilege is claimed, are defined as follows:

1. A cage (A) in which is mounted a reducer of space (C) allowing to reduce the space preserving the frozen foods and the use of ice bags or dry ice, said cage including:

a plurality of tubular members (7)(8)(11)(12)(14)(16)(25) in which are engaged each insulating panel (1)(2)(3)(4);

a pair of legs (9) mounted under a tubular member (8) being formed with a member with slide rail (22) between which is mounted a weather strip (15), and which said member with slide rail (22) allows to engage a reinforcing sliding bar on ball (21) receiving a pallet on which resting the frozen foods;

a pair of legs (10) mounted under a tubular member (7) being formed with a member with slide rail (20) between which is mounted a weather strip (15), and which said member with slide rail (20) allows to engage a reinforcing sliding bar on ball (21) receiving a pallet on which resting the frozen foods;

a reinforcing bar (17) mounted in the center of each said insulating

panel (1)(2)(4) for solidifying the structure of the cage;

a reinforcing bar (24) mounted in the center of the insulating panel (3) for solidifying the structure of the cage;

two hinges mounted on the side of a tubular member in which is engaged the insulating panel (2) for connecting a frame (6) in which is engaged an insulating panel (5), and on which is mounted a reinforcing bar (19) for solidifying the frame (6) of the door being provided with a weather strip (18);

an angle iron (13) mounted to said tubular member (25) allows to receive the reinforcing sliding bar on ball (21) being engaged to each said member with slide rail (20)(26) when the pallet is into the cage, and said reinforcing sliding bar on ball (21) allows also to solidify the front structure of the cage when the pallet is withdrawn from the cage;

a series of holes (45) formed thereon a vapor barrier (41) being fixed to a rigid plate (40) being mounted onto a pipe (42) fixed to each tubular member (7)(8) situated at the bottom of the cage, and

a mechanism including a swivelling spiral mean and controlled by a plate (43) being fixed to each hole (46) of an arm (44) that allows to vapor barrier (41) to be lowered against a pallet, and raised when the pallet is

withdrawn from the cage.

2. A cage according to claim 1, wherein the reducer of space is manually displaced between each horizontal bar (23) and above the frozen foods for reducing the space preserving the frozen foods and the use of ice bags or dry ice, said reducer of space including:

a frame (38) in which is mounted a rigid sheet (26), a rubber foam (27) and a vapor barrier (28);

a fastening mean (29) fixed under said insulating panel (1) situated at the top of the cage and connecting said reducer of space (C).

3. A reducer of space according to claim 1, wherein the reducer of space is inserted between each horizontal bar (34) mounted inside another structure (B) being formed with two tubular members (32)(33) which are connected to each structure (30)(31), and which can be installed into an existing cage for frozen foods, and

said reducer of space is formed with a frame (39) in which is mounted a rigid sheet (37), a rubber foam (36) and a vapor barrier (35).

4. The cage according to claim 1, and in which is inserted said reducer of space, can be also transported with the pallet by a pallet truck during the delivery of the frozen food.s